


**SRI SAI RAM ENGINEERING COLLEGE**

**DEPARTMENT OF MECHANICAL ENGINEERING**

Name: <b>Dr.R.ASHOK GANDHI</b>	
Designation:	<b>Associate Professor</b>
Qualification:	<b>B.E.,M.E., Ph.D</b>
Area of Specialization:	<b>Production Engineering</b>
Experience:	<b>Teaching-25 Years and 6 Months</b>
Number of Workshops/FDP/ Conferences Attended:	WORKSHOP-25 FDP-15 CONFERENCE-10
Publication:	International Journals: 10
	International Conference:7
Staff Achievement	1. Received “Best Faculty Advisor Award” from IEI, Hosure Local Center, 2023. 2. Received “Academic Excellence Award” from IEI, Hosure Local Center, 2024.

**Professional Experience:**

<b>Name of the College</b>	<b>Designation</b>	<b>Joining Date</b>	<b>Relieving Date</b>	<b>Experience</b>
Annai Teresa college of Engineering ,Thirunavalur	Lecturer	27.07.2000	31.01.2002	1 Year and 6 months
Thirumalai Engineering College,Kancheepuram	Lecturer	03.07.2002	25.02.2003	7 Months
Annai Teresa college of Engineering ,Thirunavalur	Lecturer	23.02.2003	1.09.2004	1 Year and 7 months
Idhaya Engineering College for Women,Chinnasalem	Senior Lecturer	2.09.2004	26.02.2006	1 Year and 5 months
SSM College of Engineering,Komarapalayam	Senior Lecturer	27.02.2006	22.12.2006	10 Months
Krishnasamy College of Engineering ,Cudalore	Senior Lecturer	5.01.2007	27.09.2007	8 Months
Asan College of Engineering, Thandarai, Chengalpattu	Senior Lecturer	2.09.2004	26.02.2006	1 Year and 5 months
Sri Sai Ram Engineering College	Senior Lecturer	04.08.2008	31.07.2011	3 Years
Sri Sai Ram Engineering College	Associate Professor	01.08.2011	Till date	14 Years 6 months

**FUNDED PROJECTS OBTAINED:**

The following project I have obtained under the category of Principal Investigator it's about to complete

**DST/SSTP/2018/35C**

**"Design,development and demonstration of vertical axis free flow helica lclustered water turbines"**to be established in the state of Mizoram

**PAPERS PUBLISHED:**

1. **"Role of carbon nano tubes (CNTs) in improving wear properties of polypropylene(PP) in dry sliding condition"**, R Ashok Gandhi,KPalanikumar,BKRagunath,JPDavim Materials&Design 2013,Volume 48, Pages 52-57

2. **"Flow stress modeling of AZ91 magnesium alloys at elevated temperature"**,BK Raghunath, K Raghukandan,R Karthikeyan,K Palanikumar,Journal of Alloys and Compounds Volume 509, Issue 15, 14 April 2011, Pages 4992-4998

3. **"Role of NanoClay in Improving Wear Properties of Polypropylene in Dry Sliding Condition"**. R Ashok Gandhi, K Palani Kumar, BK Raghunath, D Kanagaraj, Asian Journal of

Chemistry ,2013, Vol 25

4. **"Performance of waste insulating mineral oil-based bio diesel in a direct-injection CI engine"** A Sivakumar, R Sathiyamoorthi, V Jayaseelan, R Ashok Gandhi, K Sudhakar  
5. International Journal of Automotive and Mechanical Engineering ,2021,Vol 18(4),9349-9361
6. **"Production and characterization of epoxy based biocomposites using pectin biopolymer derived from Passiflora edulis husk and areca fibre"** R Ashok Gandhi, V Jayaseelan, S Sambath, Vijay Ananth Suyamburajan, Polymer Bulletin ,vol 82 , 2025 , Pages 11071–11090,
7. **"Effect of pectin biopolymer addition on the mechanical, dynamic, and water absorption behavior of natural fiber-reinforced epoxy composites"** Polymer Bulletin, R Ashok Gandhi, V Jayaseelan, S Sambath, Vijay Ananth Suyamburajan,2026,Vol 83,pages 247
8. **"Advanced Process Modeling and Optimization of Wire Electrical Discharge Machining for Austenitic Stainless Steel Using Statistical and Desirability Frameworks"** R Ashok Gandhi, VijayAnanth Suyamburajan, S Sambath, V Jayaseelan, Journal of Materials Engineering and Performance, 2025, Pages 1-23
9. **Ecologically friendly oxidation processes deep learning model taking aim at environmental pollutants".**A Sri Harsha, D Pooasadi, R Ashok Gandhi- Oxidation Communications, 2024
10. **System for automated oxidative process control to adhere to european oxy-reduction laws."** Oxidation Communications, S Philip raja, Emmanuel agbo teib,M Premalatha, M Karthe, J Geetha priya, M Kavitha, I Rajasekhara babu, R Ashok Gandhi, Jim mathew philip, Rajaram ayyasamy,2025,Vol 48, Pages 286-294
11. **"Role of Calcium Carbonate(CaCO<sub>3</sub>) in improving wear resistance of Polypropylene(PP) components used in automobiles "**K.Palanikumar,R.AshokGandhi,B.K.Raghunath Materials Today: Proceedings Volume 16, Part 2, 2019, Pages 1363-1371
12. **"Effect of carbon nano tubes(CNT) on hardness of polypropylene matrix"** RAshokGandhi,V Jayaseelan, K Palani Kumar, BK Raghunath,Advances in Materials and Metallurgy: Select Proceedings of ICEMMM, 2018,Pages 261-270
13. **"Studies on Wear Behaviour of Polypropylene (PP)–Terminalia chebula (TC) Composite"** R Ashok Gandhi, S Ganapathy, A Ravinthiran, Vasanth, K Palanikumar Recent Advances in Materials Technologies: Select Proceedings of ICEMT 2021, Pages 51-62
14. **"Tensile,double shear properties of acacia andAcacia-Kenaf fiber composites",**RAshok Gandhi, S Ramachandran, L Arunkumar, V Jayaseelan, Materials Today: Proceedings, 2022,Vol 62, Pages 1266-1271
15. **"Development and Field Trials of Ultra Low Wind Speed Vertical Axis Wind Turbine (VWAT) for Home Application"** ,R Ashok Gandhi, S Krishnaraj, V Raviraj, S Ganapathy, S Ramachandran Indian Journal of Science and Technology,2016 ,Indian Journal of Science and Technology Vol 9, Pages S1
16. **"Design and development of sail type wind turbine with solar panel,"**RAshok Gandhi,A Ravinthiran, K Palanikumar,Materials Today: Proceedings 2021,Vol 46, 3989-3992
17. **"Nano indention hardness testing of PP-CNTcomposites,"**R Ashok

Gandhi,VJayaseelan,BK Raghunath, K Palanikumar,Materials Today, Proceedings,2019,Vol 16, 1372-1377

**MEMBERSHIP IN PROFESSIONAL SOCIETIES:**

1. Life member in “The Indian Society for Technical Education (ISTE)”.
2. Life member in “Indian Welding Society (IWS)”.
3. Life member in “The Institution of Engineers (IEI)”.
4. Member in “Institute of Electrical and Electronics Engineers (IEEE)”.
5. 10 Years Member in “Society of Automotive Engineers (SAE)”.

